C. E. JOHANSSON, INCORPORATED

POUGHKEEPSIE, N. Y.—ESKILSTUNA, SWEDEN

Dealers in Principal Cities of the World

Manufacturers of a Complete Line of Precision Gages

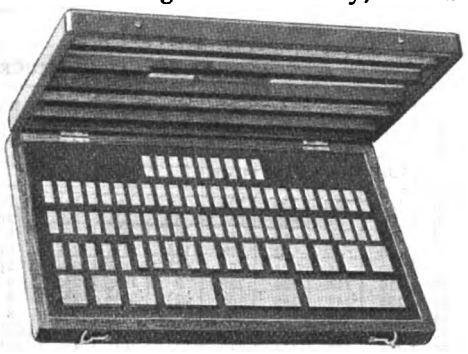
THE JOHANSSON PRECISION GAGES:

Briefly, Johansson Gages are made of special steel, hardened, ground, seasoned and lapped to an accuracy of millionths parts of an inch for the commercial gaging of work to 0.0001″ or less. They are a complete gaging system, both master and working gages, and are recognized and used as *the* standard throughout the world.

STANDARD GAGE BLOCKS:

The Standard Combination Gage Blocks are master or reference gages for use in making, checking and inspecting work in the tool room and laboratory. For use in the shop, a like series of blocks is made.

Johansson Blocks range in size from 0.010 to 20.00″ and are now made in four degrees of accuracy, according to requirements, both metric and English, in 21 different sets. Hundreds of thousands of different internal and external gages can be formed with the set of 81 blocks and accessories.



The following accuracies are guaranteed

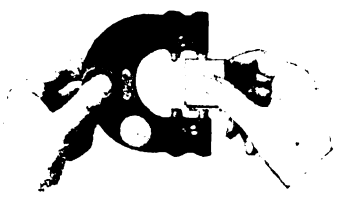
Standard	AA	plus or minus	0.000002″	to an inch
Standard	A	" " "	0.000004″	to an inch
Shop	B	" " "	0.000008″	to an inch
Shop	C	" " "	0.000012″	to an inch

These blocks may be obtained singly, in special groups or combination sets in any class. They are furnished in a suitable wooden case. Combination blocks are selected to give the greatest possible number of sizes with the number of blocks supplied.

All blocks are self-checking; that is mathematically equal combinations of blocks will match.

ADJUSTABLE LIMIT SNAP GAGES:

On this type of gage the plugs will not cock as there are no threads on the plug and it does not turn in the body. Adjustment is made by end screws and plugs are locked by clamp screws in the frame. Plugs are made of hardened, seasoned nickel steel lapped square with axis, and have a beveled edge to guide gage squarely on the work and prevent marring it. They can be sealed to prevent tampering. The cast iron frame gives rigidity with lightness and is least liable to distortion being fitted with an insulating safety grip so that gage can not be affected by the temperature of user's hand.



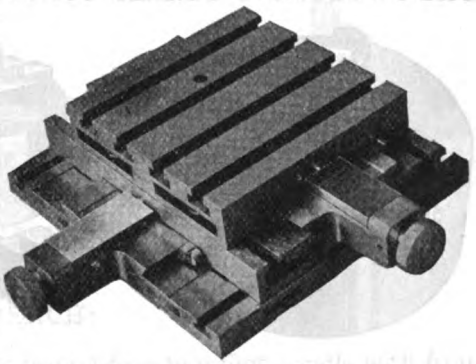
Made in two models in a series of sizes which have ranges from 0″ to ¼″ up to 11″ to 12″. Larger sizes made to order.

TOLERANCE PLUG GAGES:

Hardened, seasoned and lapped in a similar manner to the Johansson Blocks, Johansson Tolerance Plug Gages may be expected to far excel in accuracy and life the case-hardened, rapidly seasoned plugs frequently used. As they are hardened all the way through and carefully seasoned, Johansson Gages are not likely to "grow" or spring.

Standard sizes $^1/_{16}$″ to 6″. Special sizes to order.

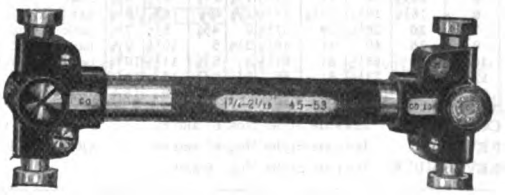
COMPOUND SLIDE:



Realizing the difficulties besetting the toolmaker who must lay out the holes for a die, jig or fixture Johansson has developed this compound slide which will do this work accurately in one-third the time and by a less skilled workman.

The slide has two motions, lateral and longitudinal, controlled by thumb-screws. The precise setting is obtained by the use of Johansson gage blocks and simple mathematics.

ADJUSTABLE LIMIT PLUG GAGE:



In developing this tool, Johansson has endeavored to do for internal gaging what his adjustable limit snap gages have done for external gaging.

The workmanship is of the same high quality as his other gages. Sizes range from 1½″ to 12″.

CATALOGUES:

Complete descriptive bulletins and catalogues are available for your files. We will be pleased to furnish them upon request.

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